

DEPARTMENT OF WATER RESOURCES
FALL GROUNDWATER ELEVATION MEASUREMENTS
NORTHERN SACRAMENTO VALLEY & REDDING BASINS, CALIFORNIA

**CHANGE IN GROUNDWATER ELEVATION
BY WELL DEPTH**

FALL 2008 to FALL 2009

	All Well Depths	Well Depth			
		0 to 200 ft-bgs	201 to 600 ft-bgs	601 to 1,500 ft-bgs	Unknown
BUTTE					
Maximum Increase in GW E* (ft)	12.6	4.5	12.6	7	0
Maximum Decrease in GW E (ft)	-7.3	-5.9	-7.3	-4.4	-1.5
Average GWL Change (ft)	0.2	-0.1	0.7	-0.1	-0.9
Range of GWL Change (ft)	19.9	10.4	19.9	11.4	1.5
Number of Wells	102	41	39	17	5
COLUSA					
Maximum Increase in GW E* (ft)	10.9	2.4	8.4	10.9	0
Maximum Decrease in GW E (ft)	-17.1	-6.9	-17.1	-10.8	-1.8
Average GWL Change (ft)	-2.2	-0.4	-3.2	-3.3	-1.8
Range of GWL Change (ft)	28.0	9.3	25.5	21.7	1.8
Number of Wells	48	16	25	6	1
GLENN					
Maximum Increase in GW E* (ft)	14.3	6.9	14.3	0.1	0
Maximum Decrease in GW E (ft)	-25.7	-15.8	-25.7	-20.3	-4.4
Average GWL Change (ft)	-1.9	-1.6	-0.9	-4.8	-1.3
Range of GWL Change (ft)	40.0	22.7	40.0	20.4	4.4
Number of Wells	141	59	54	24	4
TEHAMA					
Maximum Increase in GW E* (ft)	9.3	9.3	9.2	2.1	4.2
Maximum Decrease in GW E (ft)	-8.6	-7.1	-7.1	-4.6	-8.6
Average GWL Change (ft)	0.2	0.2	0.8	-1	-1
Range of GWL Change (ft)	17.9	16.4	16.3	6.7	12.8
Number of Wells	158	64	64	24	6
REDDING BASIN					
Maximum Increase in GW E* (ft)	9.1	1.7	9.1	0	--
Maximum Decrease in GW E (ft)	-3.7	-3.1	-3.7	-0.8	--
Average GWL Change (ft)	-0.3	-0.9	0.5	-0.8	--
Range of GWL Change (ft)	12.8	4.8	12.8	0.8	
Number of Wells	29	15	13	1	0
TOTAL					
Maximum Increase in GW E* (ft)	14.3	9.3	14.3	10.9	4.2
Maximum Decrease in GW E (ft)	-25.7	-15.8	-25.7	-20.3	-8.6
Average GWL Change (ft)	-0.7	-0.5	-0.2	-2.2	-1.1
Range of GWL Change (ft)	40.0	25.1	40.0	31.2	12.8
Number of Wells	478	195	195	72	16

Note: A positive number indicates that groundwater levels were higher in 2009 than in 2008; a negative number indicates that groundwater levels were lower in 2009 than in 2008.

*GWE=Groundwater Elevation